Avaliação 2 - Questão 4

Luan de Barros

| la: 15/04/2024 - | Avaliação 4 | | B8= | * (9) 34 | | 9 | |
|---|----------------------|-------------|------------|----------|---------|--------|---|
| ian de Barros. | Br = 3/4 | | | Cy | D | | |
| | | Ž | | (Zy) | (88.0) | 7 (22) | 4 |
| PMF Conjunte & | e Xæ Y | 1373 | | | - A | Day I | |
| B1 B2 B3 | XY | Pr | 3/1/ | Jak (X | 1) | | |
| 0 0 0 | 00 | 264 | | y=0 | 1) | 1/3 | |
| 00 1 | 110 | 1364 | | 4/64 | 0 | 799 | |
| 010 | 10 | 3/64 | | 3/64 | 0 | 27-6 | |
| | 300 | 3/64 | | 27/64 | 27/2 | 71/ | |
| | 10 | 3/64 | X=3 | 0 | 164 | 4 | |
| 1101 | 20 | 3/64 | 12021 | | 120 | | 4_ |
| 110 | 20 | 3/64 | | | | | |
| 1111 | 3 1 | +10 | | Pxylx | (V) | | |
|) PMFs marginai | s exe xey | | X=0 | 18=0 | - | 9x(x) | |
| by (x) = gospfx, y | (1,9) | - v - v - 1 | | | | 1/64 | W. F. |
| (x=0)= fx, y (x=0, | y-0) + by (X=1 | (n=1) = 3 | 64 X=1 | 3/64 | 0 | 9/64 | 3 |
| 1 (x=7) = An in (x=7, 6) | (4=0) + BY 6(X= | 7 (ARI) = | 27/64 X=Z | 27/64 | | 77/64 | |
| 1x(x=3)=pxy(X=3) | 4=0) + px.4(x. | 34=1)= | 27/69 X=3 | 0 | 27/64 2 | | |
| x (x=2) = pxy (x=1,5) px (x=2) = pxy (x=2,5) px (x=3) = pxy (x=3,5) | | | Pyly | 37/64 | | | |
| y(y=0)=px,y(x=0,y= | =0) + Mxg(x=1,5 | 10-0+ px 40 | (=2, 4=0)+ | MX.y (X= | 3,4=0 |)=31 | 64 |
| (y=1)=px,y(x=0,y= | 1) + px, y. (x=1, y= | 1)+ x,y(X= | 2,4=1)+px | y (X=3, | y=1)= | 27/6 | 7_ |
| | | | | | | | |
| | | \$x | 3636 | Town | 124- | | A Contract of the Contract of |
| | 7: | 1 | | | 100 | 14 | * |
| 7-11/1 | 7 | 74 | | 37/6 | | 100 | |
| 3 1 3 3 4 4 4 | 2 6 | GA | 9 9 | 76 | | 1 | 72 |
| | | 100 | 1 1 | 3/6 | 1 | | |
| | | 164 | | 16 | | 1 | |

e) PMEz condicionais de x dado que y=y. y = pxy(xy) py(x) py(x) py(x) py(x) p(x)y=x = pxy(xy) = 0 py(x) p(x)y=x = pxy(xy) = 0 $p(x|y=1) = p_{xy}(z,0) = \frac{964}{3764} = \frac{9}{37}$ $p(x|y=1) = p_{xy}(z,0) = \frac{37}{64} = \frac{1}{37}$ $p(x|y=1) = p_{xy}(z,0) = \frac{37}{64} = \frac{1}{37}$ $p(x|y=1) = p_{xy}(z,0) = \frac{37}{64} = \frac{1}{37}$